

NETHERLANDS JOURNAL OF ZOOLOGY

(ARCHIVES NÉERLANDAISES DE ZOOLOGIE)

edited by

Dr. D. J. Kuenen
Dr. K. Bakker & Dr. H. H. Boer
(Netherlands Zoological Society)

Dr. Chr. P. Raven
(Holland Society of Sciences)

published by

The Netherlands Zoological Society
(Nederlandse Dierkundige Vereniging)

and

The Holland Society of Sciences
(Hollandsche Maatschappij der Wetenschappen)

Periodical of the Netherlands Zoological Society

Volume 21
1971



LEIDEN
E. J. BRILL
1971

THE NETHERLANDS JOURNAL OF ZOOLOGY (ARCHIVES NÉERLANDAISES DE ZOOLOGIE) forms series IV B of the ARCHIVES NÉERLANDAISES DES SCIENCES EXACTES ET NATURELLES (published by the Holland Society of Sciences) and is the continuation of TIJDSCHRIFT DER NEDERLANDSCHE DIERKUNDIGE VEREENIGING.

CONTENTS

Number 1

J. C. JAGER. A quantitative study of a chemoresponse to sugars in <i>Lymnaea stagnalis</i> (L.)	1-59
M. H. DEN BOER. A colour-polymorphism in caterpillars of <i>Bupalus piniarius</i> (L.) (Lepidoptera: Geometridae) . .	61-116
P. J. M. VAN DER AART & TOKE DE WIT. A field study on interspecific competition between ants (Formicidae) and hunting spiders (Lycosidae, Gnaphosidae, Ctenidae, Pisauridae, Clubionidae).	117-126

Number 2

S. E. WENDELAAR BONGA. Osmotically induced changes in the activity of neurosecretory cells located in the pleural ganglia of the fresh water snail <i>Lymnaea stagnalis</i> (L.), studied by quantitative electron microscopy. . .	127-158
A. HOEKSTRA & P. G. VAN DER WAL. Melanophore-stimulating hormones in the pituitary of different mammalian species.	159-165
H. J. P. EIJSACKERS & K. BAKKER. Duration of the egg stage of the sexes in <i>Pseudeucoila bochei</i> Weld (Cynipidae), a parasite of <i>Drosophila</i> larvae	166-171
A. C. PERDECK. Homing tendencies of black-headed gulls in the Kramer cage?	172-179
BENITA PLESCH, MARIJKE DE JONG-BRINK & H. H. BOER. Histological and histochemical observations on the reproductive tract of the hermaphrodite pond snail <i>Lymnaea stagnalis</i> (L.)	180-201

SHORT NOTES AND COMMUNICATIONS

H. J. P. EIJSACKERS & K. BAKKER. Elimination by physical attack of supernumerary larvae of <i>Pseudeucoila bochei</i> Weld (Cynipidae) in their hosts, larvae of <i>Drosophila</i>	205-207
P. B. HEPPLESTON. Nest site selection by oystercatchers (<i>Haematopus ostralegus</i>) in the Netherlands and Scotland	208-211
NEDERLANDSE DIERKUNDIGE VERENIGING (Netherlands Zoological Society), Proceedings 1970	212-220

Number 3

Th. E. SPREY. Cell death during the development of the imaginal disks of <i>Calliphora erythrocephala</i>	221-264
J. J. W. POLDER. On gonads and reproductive behaviour in the cichlid fish <i>Aequidens portalegrensis</i> (Hensel)	265-365

- L. P. PIJNACKER. The origin of abnormal micropyle apparatus of eggs of *Carausius morosus* Br. (Cheleutoptera, Phasmidae) 366-372

Number 4

- J. VAN DEN ASSEM. Some experiments on sex ratio and sex regulation in the pteromalid *Lariophagus distinguendus* 373-402
- C. G. N. DE VOOYS. The stimulation of the ornithine cycle of *Xenopus laevis* Daudin by ammonia in the environment 403-411
- H. NIJSSEN. Records of the catfish Genus *Corydoras* from Brazil and French Guiana with descriptions of eight new species (Pisces, Siluriformes, Callichthyidae) 412-433
- J. H. KOEMAN, H. D. RIJKSEN, M. SMIES, B. K. NA'ISA & K. J. R. MACLENNAN. Faunal changes in a swamp habitat in Nigeria sprayed with insecticide to exterminate *Glossina* 434-463
- C. J. DEN OTTER. Tarsal and labellar taste hairs of *Calliphora vicina* Robineau-Desvoidy: location, sensitivity to NaCl 464-484

SHORT NOTES AND COMMUNICATIONS

- P. B. VAN WEEL & DONNA L. McDONALD. A preliminary report on heat perception in cockroaches 487-490